

# Investigation of different "powders" around us

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**“Powder”** exists in many aspects around us. It is used in many fields as a material for industrial products such as metals, ceramics, and polymers, as well as foods, cosmetics, and sands. There are many approaches to obtain powders and process them according to different purposes, but surprisingly, we do not know the properties of the powder itself. In this lecture, we will investigate the size, shape, tap density, and flowability of different powders around us. Let us learn together !



Figure 1 Angle of repose

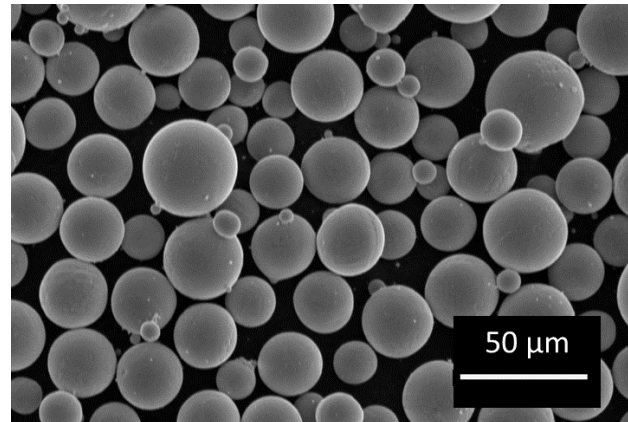


Figure 2 Morphology of metallic powders